

## WHAT IS CLAIMED IS:

1. An OLED comprising:

5 a bottom electrode layer comprising a planar conducting layer having a plurality of protrusions thereon;

an organic light-emitting layer covering said bottom electrode and having a first surface in contact with said first electrode layer and a second surface, said second surface having raised areas over said protrusions; and

10 a top electrode layer comprising a layer of conductive material in contact with said second surface, wherein one of said top and bottom electrodes is transparent to light generated in said light-emitting layer.

15 2. The OLED of Claim 1 wherein said protrusions are transparent.

3. The OLED of Claim 1 wherein said protrusions comprise SiO<sub>2</sub>.

20 4. The OLED of Claim 1 wherein the size and spacing of said protrusions is chosen to provide increased light output from said transparent one of said top and bottom electrodes relative to the light output that would be obtained in the absence of said protrusions.

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